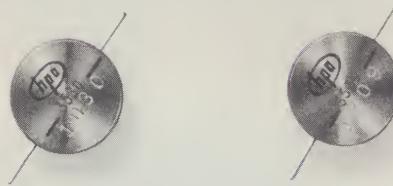
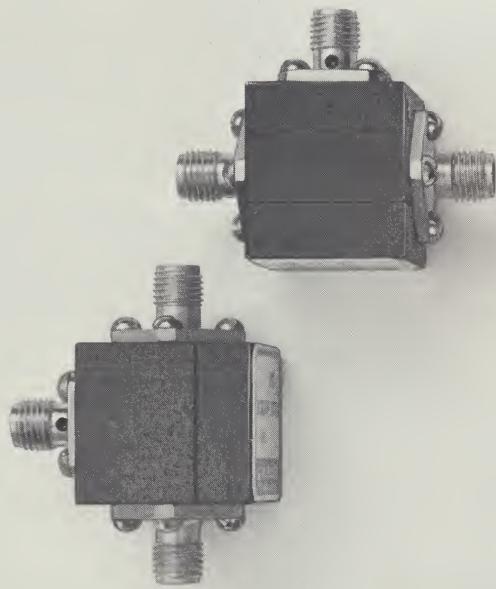


POUGHKEEFSIE NEW YORK 12603  
P O BOX 1546  
SYSTEMS CONSULTANT  
MR T NELSON  
HPA

EXTENDED RANGE 12.4-18GHz



HEWLETT  
PACKARD  **HP**  
ASSOCIATES

620 PAGE MILL ROAD • PALO ALTO • CALIFORNIA 94304

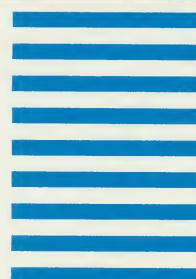
FIRST CLASS  
Permit No. 478  
Palo Alto,  
California

No Postage Necessary if Mailed in the United States

**B U S I N E S S R E P L Y M A I L**

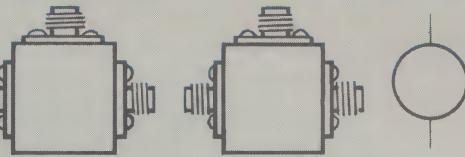
Postage will be paid by

**HP ASSOCIATES**  
620 Page Mill Road  
Palo Alto, California 94304



# three NEW switches for 12.4-18GHz range

## EXTENDED RANGE



With three new HPA SPST solid-state microwave switches, you can now electronically switch, attenuate and modulate in the widely used 12.4 to 18GHz range. The new devices are HPA 3531 for stripline applications and HPA 3560 and 3561 for coax applications. They offer low insertion loss, high isolation . . . and are available for off-the-shelf delivery.

### Device Specifications

Device	Bias Terminal	RF Terminal	Bias Polarity for Switch OFF	Frequency Range	Switching Time	Insertion Loss	Isolation	Price 1-9
3531	Stripline integrated unit, wire leads for RF terminals.		Neg.	12-18GHz	50 ns	1.5 dB	45 dB	\$125.00
3560	OSM	OSM	Pos.	12-18GHz	100-300 ns	2.0 dB	45 dB	\$325.00
3561	OSM	OSM	Neg.	12-18GHz	100-300 ns	2.0 dB	45 dB	\$325.00

## NEW, LOW Prices on HPA 3530 & 3540 Stripline Switches

Effective February 15, 1967, HPA announces reduced prices on HPA 3530 and 3540 stripline switches. These microwave devices, for switching/attenuating from DC to 12.4GHz, are now priced as follows:

Device	New Unit Price, 1-9	Old Unit Price, 1-9
3530	\$125.00	\$175.00
3540	\$125.00	\$175.00

Gentlemen:

I would like switches to test; please have a field engineer call.

My application is:

---

---

Please send more information on:

- HPA 3531, 3560, 3561 Microwave Switches
- HPA 3530, 3540 Microwave Switches
- HPA's complete line of solid-state devices

Mail this card today . . . postage is prepaid!

---

name \_\_\_\_\_ title \_\_\_\_\_

company \_\_\_\_\_

dept., bldg, mail station \_\_\_\_\_ phone \_\_\_\_\_ ext. \_\_\_\_\_

address \_\_\_\_\_

city \_\_\_\_\_ state \_\_\_\_\_ zip \_\_\_\_\_

---